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Customer Number



Patent

Case No.: 55368US011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: FLEMING, ROBERT J.  
Application No.: 10/752137 Group Art Unit: 1755  
Filed: January 6, 2004 Examiner: Unknown  
Title: COATING APPARATUS AND METHODS OF APPLYING A  
POLYMER COATING

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

June 9, 2004  
Date

Gwen Ziehl  
Signed by: Gwen Ziehl

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

June 9, 2004  
Date

By:

Jay R. Pralle  
Jay R. Pralle, Reg. No.: 52,131  
Telephone No.: (651) 733-6750

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

January 6, 2004

First Named Inventor

Fleming, Robert J.

Art Unit

1755

Examiner Name

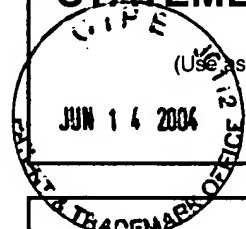
Unknown

Attorney Case Number

55368US011

(Use as many sheets as necessary)

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## U.S. Patent Documents

| Exam.<br>Init.* | Cite<br>No. | Document Number                  | Publication Date or<br>Issue Date<br>MM-DD-YYYY | Name of Patentee<br>or Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------|-------------|----------------------------------|---|--|---|
|                 |             | Doc. Number-(Kind Code if Known) |   |  |   |
|                 | A1          | 2761417                          | Sep., 1956                                      | Russell.   |   |
|                 | A2          | 2761791                          | Sep., 1956                                      | Russell.   |   |
|                 | A3          | 3018757                          | Jan., 1962                                      | Loppnow.   |   |
|                 | A4          | 3030917                          | Apr., 1962                                      | Brown et al.                                       |   |
|                 | A5          | 3150997                          | Sep., 1964                                      | Pelletier et al.                                   |   |
|                 | A6          | 3832427                          | Aug., 1974                                      | Mutch.   |   |
|                 | A7          | 3837771                          | Sep., 1974                                      | Kolakowski et al.                                  |   |
|                 | A8          | 3891785                          | Jun., 1975                                      | Zemlin.  |   |
|                 | A9          | 3893410                          | Jul., 1975                                      | Herzhof et al.                                     |   |
|                 | A10         | 4127067                          | Nov., 1978                                      | Dahlgren et al.                                    |   |
|                 | A11         | 4139662                          | Feb., 1979                                      | Sitler.  |   |
|                 | A12         | 4165211                          | Aug., 1979                                      | Ebeling et al.                                     |   |
|                 | A13         | 4209557                          | Jun., 1980                                      | Edwards.   |   |
|                 | A14         | 4341822                          | Jul., 1982                                      | Singer et al.                                      |   |
|                 | A15         | 4345543                          | Aug., 1982                                      | Pipken.  |   |
|                 | A16         | 4445243                          | May., 1984                                      | Bohrn et al.                                       |   |
|                 | A17         | 4500039                          | Feb., 1985                                      | Pacifici et al.                                    |   |
|                 | A18         | 4515646                          | May., 1985                                      | Walker et al.                                      |   |
|                 | A19         | 4523003                          | Jun., 1985                                      | Bezwada  |   |
|                 | A20         | 4710560                          | Dec., 1987                                      | Vu   |   |
|                 | A21         | 4876308                          | Oct., 1989                                      | Melby et al.                                       |   |
|                 | A22         | 4935264                          | Jun., 1990                                      | Tsujino et al.                                     |   |
|                 | A23         | 5200262                          | Apr., 1993                                      | Li   |   |
|                 | A24         | 5283101                          | Feb., 1994                                      | Li   |   |
|                 | A25         | 5316838                          | May., 1994                                      | Crandall et al.                                    |   |
|                 | A26         | 5328509                          | Jul., 1994                                      | Essex.   |   |
|                 | A27         | 5451447                          | Sep., 1995                                      | Li   |   |
|                 | A28         | 5474827                          | Dec., 1995                                      | Crandall et al.                                    |   |

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|   |                             |                           |
|---|-----------------------------|---------------------------|
| <b>Substitute for form 1449A/PTO (modified)</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary)<br><br>Page 2 of 3 | <b>Application Number</b>   | <b>10/752137</b>          |
|   | <b>Filing Date</b>          | <b>January 6, 2004</b>    |
|   | <b>First Named Inventor</b> | <b>Fleming, Robert J.</b> |
|   | <b>Art Unit</b>             | <b>1755</b>               |
|   | <b>Examiner Name</b>        | <b>Unknown</b>            |
|   | <b>Attorney Case Number</b> | <b>55368US011</b>         |

| U.S. Patent Documents |          |                                  |  |   |   |
|-----------------------|----------|----------------------------------|--|---|---|
| Exam. Init.*          | Cite No. | Document Number                  | Publication Date or Issue Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |          | Doc. Number-(Kind Code if Known) |  |   |   |
|                       | A29      | 5506000                          | Apr., 1996                                   | Leonard.  |   |
|                       | A30      | 5584958                          | Dec., 1996                                   | Gillis et al.                                   |   |
|                       | A31      | 5587502                          | Dec., 1996                                   | Moren et al.                                    |   |
|                       | A32      | 5645938                          | Jul., 1997                                   | Crandall  |   |
|                       | A33      | 5962108                          | Oct., 1999                                   | Nestegard et al.                                |   |
|                       | A34      | 5976669                          | Nov., 1999                                   | Fleming et al.                                  |   |
|                       | A35      | 6117236                          | Sep., 2000                                   | Ruschak et al.                                  |   |
|                       | A36      | 6403175 B1                       | Jun. 2002                                    | Speier et al.                                   |   |
|                       | A37      | 6676754 B1                       | Jan. 2004                                    | Fleming et al.                                  |   |

| Foreign Patent Documents |          |                         |                            |                                |   |   |                               |
|--------------------------|----------|-------------------------|----------------------------|--------------------------------|---|---|-------------------------------|
| Exam. Init.*             | Cite No. | Foreign Patent Document |                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation<br>(Check if yes) |
|                          |          | Ctry. Code              | Number-KindCode (If known) |                                |   |   |                               |
|                          | B1       | DE                      | 1 235 723                  | Mar. 1967                      |   |   | X                             |
|                          | B2       | EP                      | 0 794 011                  | Sep. 1997                      |   |   | X                             |
|                          | B3       | EP                      | 0 997 446                  | May 2000                       |   |   | X                             |
|                          | B4       | GB                      | 1027921                    | Apr. 1966                      |   |   |                               |
|                          | B5       | JP                      | 9-119079                   | May 1997                       |   |   | X                             |
|                          | B6       | JP                      | 10 330386<br>Abstract      | Dec. 1998                      |   |   | X                             |
|                          | B7       | WO                      | WO 96/38453                | Dec. 1996                      |   |   |                               |
|                          | B8       | WO                      | WO 98/18844                | May 1998                       |   |   |                               |
|                          | B9       | WO                      | WO 98/25984                | Jun. 1998                      |   |   |                               |
|                          | B10      | WO                      | WO 98/28642                | Jul, 1998                      |   |   |                               |

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|   | <b>Examiner Name</b>        | Unknown            |
|   | <b>Attorney Case Number</b> | 55368US011         |

| OTHER DOCUMENTS |          |  |                            |
|-----------------|----------|--|----------------------------|
| Exam. Init.*    | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | Translation (Check if yes) |
|                 | C1       | "Urethane Processing System: Instruction Manual," Max Machinery Pub. No. 600-000-350, 1992, rev 1/98.  |                            |
|                 | C2       | Max Machinery, Mix Head Configurations, printed in color from www.maxmachinery.com, Jul. 7, 2000, pp. 1-6.   |                            |
|                 | C3       | Evan, Robert M.; "Polyurethane Sealants--Technology and Applications" Technomic Publishing Co., Inc., p. 147-155; 1993.  |                            |
|                 | C4       | Cohen et al.; "Modern Coating and Drying Technology"; VCH Publishers, Inc.; pp. 1-21; 1990.  |                            |

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